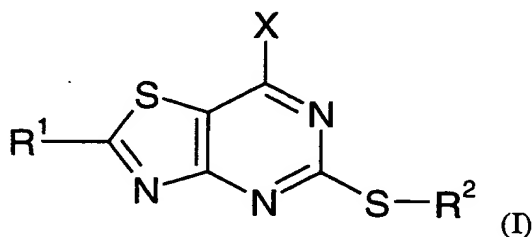
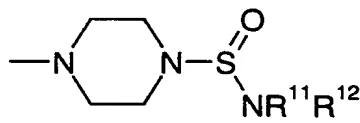


## CLAIMS

1. A compound of general formula



wherein  $R^1$  represents a hydrogen atom, or a group  $-NR^3R^4$ ;  
 $R^3$  and  $R^4$  each independently represent a hydrogen atom, or a 4-piperidinyl,  $C_3$ - $C_6$   
 cycloalkyl or  $C_1$ - $C_8$  alkyl group, which latter two groups may be optionally substituted by  
 one or more substituent groups independently selected from halogen atoms and  $-NR^5R^6$ ,  
 $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^7$ ,  $-NR^8COR^9$ ,  $-SR^{10}$ ,  $-SO_2R^{10}$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ ,  
 morpholinyl,  $C_1$ - $C_4$  alkyl,  $C_3$ - $C_6$  cycloalkyl, tetrahydrofuranyl and aryl groups, wherein  
 an aryl substituent group may be a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or  
 indolyl group, each of which may be optionally substituted by one or more substituents  
 independently selected from halogen atoms and cyano, nitro,  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-$   
 $OR^7$ ,  $-NR^8COR^9$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ ,  $C_1$ - $C_6$  alkyl and trifluoromethyl groups,  
 or  $R^3$  and  $R^4$  together with the nitrogen atom to which they are attached form a 4- to  
 7-membered saturated heterocyclic ring system, which ring system may be optionally  
 substituted by one or more substituent groups independently selected from



$-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^{10}$ ,  $-NR^8COR^9$ , and  $C_1$ - $C_6$  alkyl optionally  
 substituted by one or more substituents independently selected from halogen atoms and  
 $-NR^{11}R^{12}$  and  $-OR^7$  groups;  
 X represents a group  $-OH$  or  $-NR^{13}R^{14}$ ;

$R^{13}$  and  $R^{14}$  each independently represent a hydrogen atom, a 4-piperidinyl group optionally substituted by a  $C_1$ - $C_4$  alkylphenyl substituent group, or a  $C_3$ - $C_7$  carbocyclic,  $C_1$ - $C_8$  alkyl,  $C_2$ - $C_6$  alkenyl or  $C_2$ - $C_6$  alkynyl group, which latter four groups may be optionally substituted by one or more substituent groups independently selected from halogen atoms and  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^7$ ,  $-NR^8COR^9$ ,  $-SR^{10}$ ,  $-SO_2R^{10}$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ , morpholinyl,  $C_1$ - $C_4$  alkyl,  $C_3$ - $C_6$  cycloalkyl and aryl groups, wherein an aryl substituent group may be a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which may be optionally substituted by one or more substituents independently selected from halogen atoms and cyano, nitro,  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-NR^8COR^9$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ ,  $C_1$ - $C_6$  alkyl and trifluoromethyl groups, or  $R^{13}$  and  $R^{14}$  together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system, which ring system may be optionally substituted by one or more substituent groups independently selected from  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^7$ ,  $-NR^8COR^9$ , and  $C_1$ - $C_6$  alkyl optionally substituted by one or more substituents independently selected from halogen atoms and phenyl,  $-NR^{11}R^{12}$  and  $-OR^7$  groups;  $R^2$  represents a  $C_1$ - $C_6$  alkyl or  $C_2$ - $C_6$  alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group may itself be optionally substituted by one or more substituents independently selected from halogen atoms and nitro,  $C_1$ - $C_6$  alkyl, trifluoromethyl,  $-OR^7$ ,  $-C(O)R^7$ ,  $-SR^{10}$ ,  $-NR^{15}R^{16}$  and phenyl groups;  $R^5$  and  $R^6$  each independently represent a hydrogen atom or a  $C_1$ - $C_6$  alkyl or phenyl group, each of which may be optionally substituted by one or more substituent groups independently selected from halogen atoms, phenyl,  $-OR^{17}$  and  $-NR^{15}R^{16}$ , or  $R^5$  and  $R^6$  together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system optionally comprising a further heteroatom selected from oxygen and nitrogen atoms, which ring system may be optionally substituted by one or more substituent groups independently selected from phenyl,  $-OR^{17}$ ,  $-COOR^{17}$ ,  $-NR^{15}R^{16}$ ,  $-CONR^{15}R^{16}$ ,  $-NR^{15}COR^{16}$ ,  $-SONR^{15}R^{16}$ , and  $C_1$ - $C_6$  alkyl

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optionally substituted by one or more substituents independently selected from halogen atoms and  $-NR^{15}R^{16}$  and  $-OR^{17}$  groups;

$R^7$  and  $R^9$  each independently represent a hydrogen atom or a  $C_1$ - $C_6$  alkyl or phenyl group, each of which may be optionally substituted by one or more substituent groups

independently selected from halogen atoms, phenyl,  $-OR^{17}$  and  $-NR^{15}R^{16}$ ; and

each of  $R^8$ ,  $R^{10}$ ,  $R^{11}$ ,  $R^{12}$ ,  $R^{15}$ ,  $R^{16}$  and  $R^{17}$  independently represents a hydrogen atom or a  $C_1$ - $C_6$  alkyl or phenyl group; with the proviso that when  $R^1$  and X both represent  $-NH_2$ , then  $R^2$  does not represent a methyl group;

or a pharmaceutically acceptable salt or solvate thereof.

2. A compound according to claim 1, wherein  $R^1$  represents a group  $-NR^3R^4$ .

3. A compound according to claim 1 or claim 2, wherein  $R^3$  and  $R^4$  each independently represent a hydrogen atom, or a 4-piperidinyl,  $C_3$ - $C_6$  cycloalkyl or  $C_1$ - $C_6$  alkyl group, which latter two groups may be optionally substituted by one, two, three or four substituent groups independently selected from halogen atoms and  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^7$ ,  $-NR^8COR^9$ ,  $-SR^{10}$ ,  $-SO_2R^{10}$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ , morpholinyl,  $C_1$ - $C_4$  alkyl,  $C_3$ - $C_6$  cycloalkyl, tetrahydrofuryl and aryl groups, wherein an aryl substituent group may be a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which may be optionally substituted by one, two, three or four substituents independently selected from halogen atoms and cyano, nitro,  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-NR^8COR^9$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ ,  $C_1$ - $C_4$  alkyl and trifluoromethyl groups.

4. A compound according to <sup>claim 1</sup> ~~any one of claims 1 to 3~~, wherein  $R^2$  represents a  $C_1$ - $C_6$  alkyl or  $C_2$ - $C_6$  alkenyl group optionally substituted by a phenyl or phenoxy group, wherein the phenyl or phenoxy group may itself be optionally substituted by one, two, three or four substituents independently selected from halogen atoms and nitro,  $C_1$ - $C_4$  alkyl, trifluoromethyl,  $-OR^7$ ,  $-C(O)R^7$ ,  $-SR^{10}$ ,  $-NR^{15}R^{16}$  and phenyl.

claim 1

5. A compound according to ~~any one of the preceding claims~~, wherein X represents  $-NR^{13}R^{14}$  and  $R^{13}$  and  $R^{14}$  each independently represent a hydrogen atom, a 4-piperidinyl group optionally substituted by a  $C_1$ - $C_4$  alkylphenyl substituent group, or a  $C_3$ - $C_7$  carbocyclic,  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl or  $C_2$ - $C_6$  alkynyl group, which latter four groups may be optionally substituted by one, two, three or four substituent groups independently selected from halogen atoms and  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-COOR^7$ ,  $-NR^8COR^9$ ,  $-SR^{10}$ ,  $-SO_2R^{10}$ ,  $-SO_2NR^5R^6$ ,  $-NR^8SO_2R^9$ , morpholinyl,  $C_1$ - $C_4$  alkyl,  $C_3$ - $C_6$  cycloalkyl and aryl groups, wherein an aryl substituent group may be a phenyl, naphthyl, thienyl, pyridinyl, imidazolyl or indolyl group, each of which may be optionally substituted by one, two, three or four substituents independently selected from halogen atoms and cyano, nitro,  $-NR^5R^6$ ,  $-CONR^5R^6$ ,  $-OR^7$ ,  $-NR^8COR^9$ ,  $-SO_2NR^5R^6$ ,  $NR^8SO_2R^9$ ,  $C_1$ - $C_4$  alkyl and trifluoromethyl groups.

6. A compound according to claim 1 being selected from:

- (2R)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,  
 (S)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,  
 2-Amino-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 5-[[[(3-Phenoxyphenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 (±)-2-[[2-Amino-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7-yl]amino]-1-butanol,  
 2-[[2-Amino-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7-yl]amino]ethanol,  
 5-(Pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-Amino-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-[[[3-(Dimethylamino)propyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-[[[2-(Diethylamino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-[[[2-(Dimethylamino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-[[[3-Hydroxypropyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 2-[[[2-(Acetyl amino)ethyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,  
 (±)-2-[[[2,3-Dihydroxypropyl]amino]-5-(pentylthio)thiazolo[4,5-d]pyrimidin-7(4H)-one,

2-[[2-(4-Morpholinyl)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-[(2-Methoxyethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-[(1-Methylethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-(Cyclopropylamino)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 5 (±)-2-[(2-Hydroxypropyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-[(2-Hydroxy-2-methylpropyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 2-[(2-Hydroxyethyl)amino]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 (2*S*,3*R*)-3-Hydroxy-2-[(7-oxo-5-(pentylthio)-4*H*-thiazolo[4,5-*d*]pyrimidin-2-yl)-  
 10 amino)butanamide,  
*N*<sup>7</sup>-[3-(Dimethylamino)propyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
*N*<sup>7</sup>-[2-(Diethylamino)ethyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
*N*<sup>7</sup>-[2-(Dimethylamino)ethyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 3-[(2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-1-propanol,  
 15 *N*<sup>7</sup>-Cyclohexyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 (±)-3-[(2-Amino-5-((phenylmethyl)thio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-1,2-  
 propanediol,  
*N*<sup>7</sup>-(2-Methoxyethyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 5-(Pentylthio)-*N*<sup>7</sup>-propylthiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 20 *N*<sup>7</sup>-Cyclopentyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
*N*<sup>7</sup>-Cyclopropyl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
*N*<sup>7</sup>-(2-Methylpropyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 (±)-1-[(2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl)amino]-2-propanol,  
 (exo)-*N*<sup>7</sup>-Bicyclo[2.2.1]hept-2-yl-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 25 2-[2-[[2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]ethanol,  
 (±)-*N*<sup>7</sup>-(2-Methylbutyl)-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 1-[[2-Amino-5-(pentylthio)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-2-propanol,  
*N*<sup>7</sup>-[(2-Aminophenyl)methyl]-5-(pentylthio)thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
 2-Amino-5-[(2-phenoxyethyl)thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,  
 30 (*E*)-2-Amino-5-[(3-phenyl-2-propenyl)thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,

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- 2-Amino-5-[[3-[2,4-bis(1,1-dimethylethyl)phenoxy]propyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(4-trifluoromethyl)phenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3,5-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 5 2-Amino-5-[[[(2,4-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3,4-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3,5-dibromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2-nitrophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2-fluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 10 2-Amino-5-[[[(2-iodophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3-chlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2-chlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(4-chloro-2-nitrophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3-chloro-4-methoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 15 2-Amino-5-[[[(2,3-dichlorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3,5-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2,4-bis(trifluoromethyl)phenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2-bromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 20 2-Amino-5-[[[(2,3,4-trifluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(3-bromophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 2-Amino-5-[[[(2-fluoro-3-methylphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7(4*H*)-one,
- 3-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2,2-dimethyl-1-propanol,
- 25 (±)-α-[[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]benzenemethanol,
- (*R*)-β-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]benzenepropanol,
- 2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethanol,

Sub B1

(2*R*)-2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]4-methylpentanol,  
(±)-1-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,  
(±)-β-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-  
5 chlorobenzenepropanol,  
(±)-3-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,2-  
propanediol,  
2-[[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]propylamino]ethanol,  
(±)-1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-pyrrolidinol,  
10 (±)-1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinol,  
1-[2-Amino-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,  
3-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2,2-  
dimethyl-1-propanol,  
(±)-2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-  
15 1-butanol,  
(±)-α-[[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-  
amino]methyl]benzenemethanol,  
4-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-  
butanol,  
20 6-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-  
hexanol,  
4-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-  
amino]cyclohexanol,  
(*R*)-β-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-  
25 amino]benzenepropanol,  
(±)-2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-  
1-propanol,  
2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-  
amino]ethanol,

Sub  
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(2*R*)-2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-amino]-4-methylpentanol,

(±)-1-Amino-3-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

5 (±)-1-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

2-[[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]-2-ethyl-1,3-propanediol,

(±)-β-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-chlorobenzenepropanol,

(±)-3-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,2-propanediol,

2-[[2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethyl]amino]ethanol,

15 3-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(±)-α-[[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]-3,4-dichlorobenzenepropanol,

1-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-2-propanol,

2-[[2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]ethanol,

5-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

25 (2*S*)-2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-(methylthio)-1-butanol,

2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]butylamino]ethanol,

2-[[2-Amino-5-[[[(3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]propylamino]ethanol,

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2,2'-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]imino]bisethanol,  
2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-hydroxyethyl)amino)methyl]phenol,  
5 3-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-hydroxyethyl)amino]-1-propanol,  
(±)-1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-pyrrolidinol,  
(*trans*)-1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-  
10 hydroxy-*L*-proline phenylmethyl ester,  
(±)-1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinemethanol,  
(±)-1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinol,  
15 (2*S*)-1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-2-pyrrolidinemethanol,  
1-[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,  
(2*R*)-2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-  
20 yl]amino]-1-butanol,  
(2*S*)-2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,  
(2*R*)-2-[[2-Amino-5-[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,  
25 2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,3-propanediol,  
2-[[2-Amino-5-[[3-phenoxyphenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,  
2-[[2-Amino-5-[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-  
30 methyl-1-propanol,



1-[[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]methyl]-cyclohexanol,

(2*R*)-2-[[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

5 2-[[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-(2-aminoethyl)amino]-1-ethanol,

2-[2-[[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]ethoxy]-1-ethanol,

( $\alpha$ *S*)- $\alpha$ -[(1*R*)-1-[[[2-Amino-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]methylamino]ethyl]-benzenemethanol,

10 1-[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-piperidinol,

5-[[[2,3-Difluorophenyl)methyl]thio]-*N*<sup>7</sup>-ethyl-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

5-[[[2,3-Difluorophenyl)methyl]thio]-*N*<sup>7</sup>-(2-propenyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

15 (1*S*,2*S*)-2-[[[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-phenyl-1,3-propanediol,

2-[[[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1,3-propanediol,

20 2-[[[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-ethanol,

( $\pm$ )-5-[[[2,3-Difluorophenyl)methyl]thio]-*N*<sup>7</sup>-(2-methoxy-1-methylethyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

*N*<sup>7</sup>-Cyclopropyl-5-[[[2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

25 ( $\pm$ )-2-[[[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

4-[[[2-Amino-5-[[[2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

5-[[[(2,3-Difluorophenyl)methyl]thio]-*N*<sup>7</sup>-[2-(1*H*-imidazol-4-yl)ethyl]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(±)-*N*-[5-[[[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-2-yl]-serine, methyl ester,

5 2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(1-methylethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-(ethylamino)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(1*H*-indol-3-yl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(1-naphthalenylmethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(1,2-diphenylethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

15 2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(2,2,2-trifluoroethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[[[(3,4,5-trimethoxyphenyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

20 2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(1,1-dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-2-[(4-methylcyclohexyl)amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

25 2-[[5-[[[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-acetamide,

2-[[2-[[2-(4-Aminophenyl)ethyl]amino]-5-[[[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[(2-fluoroethyl)amino]thiazolo[4,5-  
*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,  
 2-[[2-(Cyclopropylamino)-5-[(2,3-difluorophenyl)methyl]thio]thiazolo[4,5-*d*]pyrimidin-7-  
 yl]amino]-2-methyl-1-propanol,  
 5 (±)-2-[[5-[(2,3-Difluorophenyl)methyl]thio]-7-[(2-hydroxy-1,1-  
 dimethylethyl)amino]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-pentanol,  
 2-[[5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-  
 hydroxyethoxy)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,  
*N*-[5-[(2,3-Difluorophenyl)methyl]thio]-6,7-dihydro-7-oxo-thiazolo[4,5-*d*]pyrimidin-2-  
 10 yl]-DL-serine, methyl ester,  
 5-[(2,3-Difluorophenyl)methyl]thio]-2-[(1-methylethyl)amino]-thiazolo[4,5-*d*]pyrimidin-  
 7(4*H*)-one,  
 5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(1*H*-indol-3-yl)ethyl]amino]-thiazolo[4,5-  
*d*]pyrimidin-7(4*H*)-one,  
 15 2-[[5-[(2,3-Difluorophenyl)methyl]thio]-6,7-dihydro-7-oxo-thiazolo[4,5-*d*]pyrimidin-2-  
 yl]amino]-acetamide,  
 2-[[2-(4-Aminophenyl)ethyl]amino]-5-[(2,3-difluorophenyl)methyl]thio]-thiazolo[4,5-  
*d*]pyrimidin-7(4*H*)-one,  
 5-[(2,3-Difluorophenyl)methyl]thio]-2-[(2-fluoroethyl)amino]-thiazolo[4,5-*d*]pyrimidin-  
 20 7(4*H*)-one,  
 5-[(2,3-Difluorophenyl)methyl]thio]-2-[[2-(2-hydroxyethoxy)ethyl]amino]-thiazolo[4,5-  
*d*]pyrimidin-7(4*H*)-one,  
 2-[[2-(Cyclohexylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-  
 methyl-1-propanol,  
 25 2-[[2-[(1,1-Dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-  
 yl]amino]-2-methyl-1-propanol,  
*N*-[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
*d*]pyrimidin-2-yl]-DL-alanine, methyl ester,  
 4-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
 30 *d*]pyrimidin-2-yl]amino]-cyclohexanol,

2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[[(tetrahydro-2-furanyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[2-(4-Aminophenyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-4-methyl-pentanamide.

2-Methyl-2-[[2-[(2-phenylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

15 2-[[2-[[[(4-Aminophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[(2-Fluoroethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

~~2-Methyl-2-[[2-[[[(3-nitrophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,~~

( $\alpha R$ )- $\alpha$ -[(1*S*)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenemethanol.

25 2-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[[(3,4,5-  
trimethoxyphenyl)methyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-Methyl-2-[[2-[(1*R*-trans)-(2-phenylcyclopropyl)amino]-5-  
[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-[[2-[[2-(1*H*-Indol-3-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

~~(±)-2-Methyl-2-[[2-[(1-methylbutyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,~~

2-[[2-[[2-(Aminophenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[[2-(Ethylthio)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-3,3-dimethyl-1-butanol.

15 ~~(αS)-α-[(1R)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-  
[(phenylmethyl)thio]thiazolo[4,5-d]pyrimidin-2-yl]amino]-2-methoxyethyl]-  
benzenemethanol].~~

2-[[2-(Ethylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

20 2-[[2-[[[3-Fluoro-5-(trifluoromethyl)phenyl]methyl]amino]-5-  
[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

~~(±)-2-Methyl-2-[[2-[(1-methylpropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,~~

25 2-[[2-[[4-(4-Methoxyphenyl)methyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[(Diphenylmethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-butanol,

5 2-[[2-[(2,2-Diethoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

4-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-butanol,

(1*S*,2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-cyclohexanol,

(±)-2-[[2-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

15 (±)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-pentanol,

2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-acetamide,

(±)-2-[[2-[[1-(4-Fluorophenyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-propanol,

(1*R*,2*S*)-2-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-cyclohexanol,

(α*S*)-α-[(1*R*)-1-[[7-[(2-Hydroxy-1,1-dimethylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-benzenemethanol,

25 (±)-2-[[2-(Methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

(2*R*)-4-Methyl-2-[[2-(methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

30 *N*-[2-(Methylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-L-serine, ethyl ester,

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(±)-1-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
30 *d*]pyrimidin-7-yl]amino]-2-propanol,

[illegible]

5-[[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,  
1-[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-(phenylmethyl)-4-piperidinol,  
5 (±)-1-[2-[[2-(1*H*-Imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinecarboxamide,  
2-[Ethyl[2-[[2-(1*H*-imidazol-4-yl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-ethanol,  
*N*<sup>2</sup>-[2-(1*H*-Imidazol-4-yl)ethyl]-*N*<sup>7</sup>,*N*<sup>7</sup>-dimethyl-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
10 *N*<sup>7</sup>-[2-(Diethylamino)ethyl]-*N*<sup>7</sup>-ethyl-*N*<sup>2</sup>-[2-(1*H*-imidazol-4-yl)ethyl]-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
*N*<sup>2</sup>-(2-Phenoxyethyl)-5-[(phenylmethyl)thio]-*N*<sup>7</sup>-(3-pyridinylmethyl)-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
15 *N*<sup>2</sup>-(2-Phenoxyethyl)-*N*<sup>7</sup>-[1-(phenylmethyl)-4-piperidinyl]-5-[(phenylmethyl)thio]-thiazolo[4,5-*d*]pyrimidine-2,7-diamine,  
2-Methyl-2-[[2-[(2-phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,  
(±)-2-[[2-[(2-Phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,  
20 (±)-4-Methyl-2-[[2-[(2-phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,  
1-[2-[(2-Phenoxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-4-(phenylmethyl)-4-piperidinol,  
25 2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,  
2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,  
(2*R*)-2-[[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,  
30

*N*-[2-(Cyclopropylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-L-serine, ethyl ester,

(2*R*)-2-[[2-[[1-(Hydroxymethyl)butyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

5 ~~*N*-[2-[[1-(Hydroxymethyl)butyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-L-serine, ethyl ester,~~

(±)-2-[[7-[Cyclohexyl(2-hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-1-pentanol,

2-[2-[[7-(Ethylamino)-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethoxy-  
1-ethanol,

2-[2-[[7-[(1-Methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethoxy]-1-ethanol,

(±)-2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

15 2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-methyl-1-propanol,

(2*R*)-2-[[2-[[2-(2-Hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

20 2-[Cyclohexyl-[2-[[2-(2-hydroxyethoxy)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
d]pyrimidin-7-yl]amino]-1-ethanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-(4-piperidinylamino)thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

~~(±)-N-[2-[[7-[[1-(Hydroxymethyl)propyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-acetamide.~~

25 (±)-*N*-[2-[[7-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-acetamide,

*N*-[2-[[7-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-acetamide,

30 *N*-[2-[[7-[[*(1R)*-1-(Hydroxymethyl)-3-methylbutyl]amino]-5-  
[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]ethyl]-acetamide.

*N*<sup>7</sup>-(2-Methoxyethyl)-5-[(phenylmethyl)thio]-*N*<sup>2</sup>-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

*N*<sup>7</sup>-(2-Ethoxyethyl)-5-[(phenylmethyl)thio]-*N*<sup>2</sup>-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

5 *N*<sup>7</sup>-(2,2-Dimethylpropyl)-5-[(phenylmethyl)thio]-*N*<sup>2</sup>-[2-(2-thienyl)ethyl]thiazolo[4,5-*d*]pyrimidine-2,7-diamine,

(2*R*)-4-Methyl-2-[[5-[(phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-pentanol,

(±)-1-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-2-propanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(±)-2-[[5-[(Phenylmethyl)thio]-2-[[2-(2-thienyl)ethyl]amino]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

15 (2*R*)-2-[[2-[(2-Hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

(±)-*N,N*-Diethyl-1-[2-[(2-hydroxyethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]-3-piperidinecarboxamide,

(2*R*)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-4-methyl-1-pentanol,

(±)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-butanol,

(±)-2-[[2-[(3-Hydroxypropyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

25 2-[[7-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]amino]-acetamide,

4-[1-[7-[(4-Methylcyclohexyl)amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-2-yl]-3-azetidiny]-1-piperazinesulfonamide,

30 3-[[2-[[2-(4-Morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-*d*]pyrimidin-7-yl]amino]-1-propanol,

2-Methyl-2-[[2-[[2-(4-morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
d]pyrimidin-7-yl]amino]-1-propanol,

(±)-2-[[2-[[2-(4-Morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
d]pyrimidin-7-yl]amino]-1-propanol,

(2R)-4-Methyl-2-[[2-[[2-(4-morpholinyl)ethyl]amino]-5-[(phenylmethyl)thio]thiazolo[4,5-  
d]pyrimidin-7-yl]amino]-1-pentanol,

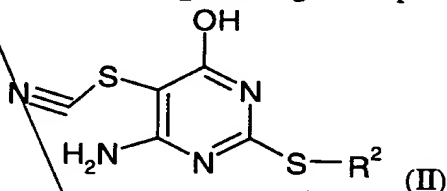
2-[[2-(3,4-Dihydroxyphenyl)ethyl]amino]-5-[(phenylmethyl)thio]-thiazolo[4,5-  
d]pyrimidin-7(4H)-one,

(±)-2-[(2-Hydroxy-1-methylethyl)amino]-5-[(phenylmethyl)thio]-thiazolo[4,5-d]pyrimidin-  
7(4H)-one,

and their pharmaceutically acceptable salts and solvates.

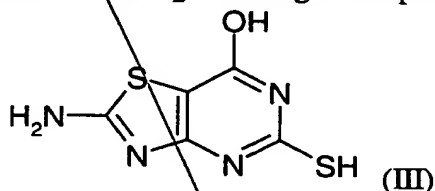
7. A process for the preparation of a compound of formula (I) as defined in claim 1 which  
comprises:

(a) when X represents -OH and R<sup>1</sup> is NH<sub>2</sub>, heating a compound of general formula



wherein R<sup>2</sup> is as defined in formula (I); or

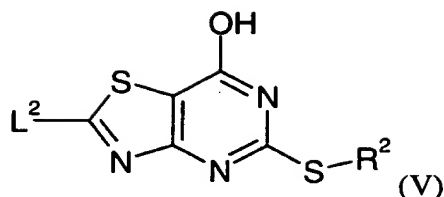
(b) when X represents -OH and R<sup>1</sup> is NH<sub>2</sub>, reacting a compound of formula



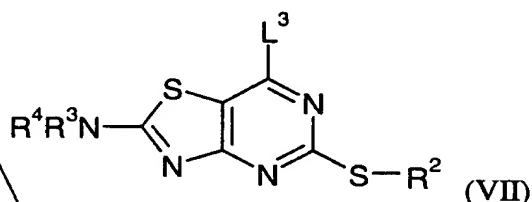
with a compound of general formula (IV), R<sup>2</sup>-L<sup>1</sup>, wherein L<sup>1</sup> represents a leaving group  
and R<sup>2</sup> is as defined in formula (I); or

(c) when X represents -OH or -NR<sup>13</sup>R<sup>14</sup> and R<sup>1</sup> is a hydrogen atom, reacting a  
corresponding compound of formula (I) in which R<sup>1</sup> is NH<sub>2</sub>, with a diazotizing agent; or

(d) when X represents -OH and R<sup>1</sup> is a group -NR<sup>3</sup>R<sup>4</sup>, reacting a compound of general  
formula

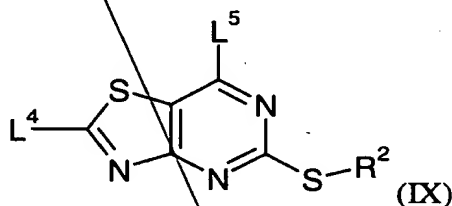


wherein  $L^2$  represents a leaving group and  $R^2$  is as defined in formula (I), with a compound of general formula (VI),  $R^3R^4NH$ , wherein  $R^3$  and  $R^4$  are as defined in formula (I); or  
 (e) when X represents  $-NR^{13}R^{14}$  and  $R^1$  represents  $-NR^3R^4$ , reacting a compound of general formula



wherein  $L^3$  represents a leaving group and  $R^2$ ,  $R^3$  and  $R^4$  are as defined in formula (I), with a compound of general formula (VIII),  $NHR^{13}R^{14}$ , wherein  $R^{13}$  and  $R^{14}$  are as defined in formula (I); or

(f) when X represents  $-NR^{13}R^{14}$  and  $R^1$  represents  $-NR^3R^4$ , reacting a compound of general formula



wherein  $L^4$  is a leaving group,  $L^5$  is a leaving group and  $R^2$  is as defined in formula (I), initially with a compound of formula (VI) as defined in (d) above followed by reaction with a compound of formula (VIII) as defined in (e) above;

and optionally after (a), (b), (c), (d), (e) or (f) forming a pharmaceutically acceptable salt or solvate of the compound of formula (I).

8. An intermediate compound of formula (V) as defined in claim 7.

9. An intermediate compound of formula (VII) as defined in claim 7.

10. An intermediate compound of formula (IX) as defined in claim 7.

2b  
B1 A 11. A pharmaceutical composition comprising a compound of formula (I), or a  
5 pharmaceutically acceptable salt or solvate thereof, as claimed in <sup>claim 1</sup>any one of claims 1 to 6,  
in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

12. A process for the preparation of a pharmaceutical composition as claimed in claim 11  
which comprises mixing a compound of formula (I), or a pharmaceutically acceptable salt  
or solvate thereof, as claimed in <sup>as defined above</sup>any one of claims 1 to 6 with a pharmaceutically  
acceptable adjuvant, diluent or carrier.

13. A compound of formula (I), or a pharmaceutically-acceptable salt or solvate thereof, as  
A claimed in <sup>claim 1</sup>any one of claims 1 to 6 for use in therapy.

15 14. Use of a compound of formula (I), or a pharmaceutically acceptable salt or solvate  
A thereof, as claimed in <sup>claim 1</sup>any one of claims 1 to 6 in the manufacture of a medicament for use  
in therapy.

20 15. A method of treating a chemokine mediated disease wherein the chemokine binds to a  
CXCR2 receptor, which comprises administering to a patient a therapeutically effective  
amount of a compound of formula (I), or a pharmaceutically acceptable salt or solvate  
2b  
B1 A thereof, as claimed in <sup>claim 1</sup>any one of claims 1 to 6.

25 16. A method of treating an inflammatory disease in a patient suffering from, or at risk of,  
said disease, which comprises administering to the patient a therapeutically effective  
amount of a compound of formula (I), or a pharmaceutically acceptable salt or solvate  
A thereof, as claimed in <sup>claim 1</sup>any one of claims 1 to 6.

30 17. A method according to claim 16, wherein the disease is psoriasis.